

Title (en)

Arrangement for connecting devices to a data network

Title (de)

Einrichtung zum Anschluss von Geräten an ein Datenleitungsnetz

Title (fr)

Dispositif pour connecter des appareils à un réseau de données

Publication

EP 1162787 B1 20051019 (DE)

Application

EP 01113997 A 20010608

Priority

DE 10028830 A 20000610

Abstract (en)

[origin: EP1162787A2] The device has equipment connection nodes at network branches, which are networked via connecting nodes with arrangements for detecting the passing data direction and direction-dependent distribution of arriving data that prevent data arriving over a branch from being coupled back into that branch. At least one connection node detects the incoming data direction and couples the bi-directional data network branch to the two unidirectional lines. The device has a unidirectional data input and data output on the equipment side and a connection for a bi-directional data line on the data line side. Connection nodes (13) for equipment (14-20) are provided at data network branches (21-32) and branches are networked via connecting nodes (11), which have arrangements for detecting the direction of passing data and arrangements for direction-dependent distribution of arriving data that prevent data arriving over a branch from being coupled back into that branch. At least one connection node has an arrangement for detecting the direction of incoming data and for coupling the bi-directional data network branch with the two unidirectional data lines.

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EP 1162787 A2 20011212; EP 1162787 A3 20030827; EP 1162787 B1 20051019; AT E307443 T1 20051115; DE 10028830 A1 20011213; DE 50107733 D1 20051124; ES 2251429 T3 20060501

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